

Application No. 10/024,195

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listing of claims in the application.

- 1) (Currently Amended) A toner, comprising:
  - (a) a colorant;
  - (b) a toner resin mixed with the colorant, wherein each combined resin and colorant ~~composite-particle~~ has an average diameter size of equal to or less than about ~~[[15 ]]~~10microns; and
  - (c) surface additive particles averaging less than about ~~[[50]]~~40 nanometers in diameter size, wherein the amount of such surface additives average equal to or greater than about two (2) percent of the combined weight of resin and colorant in the toner and wherein the Additive Adhesion Force Distribution percent value after 12 kilojoules of energy is greater than 40 percent.
- 2) (Previously Presented) The toner of **claim 1**, wherein the toner resin further comprises internal additives.
- 3) (Previously Presented) The toner of **claim 1**, wherein the combined resin and colorant composite has an average diameter size in the range of about 4 to about 10 microns.
- 4) (Previously Presented) The toner of **claim 1**, wherein the amount of surface additives average greater than about three (3) percent of the combined weight of resin and colorant in the toner.

Application No. 10/024,195

5) (Previously Presented) The toner of **claim 1**, wherein the amount of surface additives average greater than about four (4) percent of the combined weight of resin and colorant in the toner

6) (Previously Presented) The toner of **claim 1**, wherein the Additive Adhesion Force Distribution value percent value after 10 minutes of sonification and 12 kilojoules of energy is greater than 40 percent.

7) (Previously Presented) The toner of **claim 1**, wherein the Additive Adhesion Force Distribution percent values were obtained using four (4) 5/8 inch horns emitting at a frequency of 19.95 kilohertz from a distance of approximately 2 mm.

8) (Previously Presented) The toner of **claim 1**, wherein the toner is blended for less than 10 minutes.

9) (Original) The improved toner of **claim 6**, the AAFD percent value is measured on toners blended for less than 10 minutes.

10) (Previously Presented) The toner of **claim 1**, wherein the Additive Adhesion Force Distribution percent value after 6 kilojoules of energy is greater than 60 percent.

11) (Previously Presented) The toner of **claim 1**, wherein the Additive Adhesion Force Distribution percent value after 3 kilojoules of energy is greater than 80 percent.

Application No. 10/024,195

12) (Previously Presented) The **claim 1**, wherein:

(a) the combined resin and colorant composite has an average size in the range of about 4 to about 10 microns; and

(b) the surface additive particles average between 30 and 50 nanometers in diameter size and wherein the amount of such surface additives average greater than four (4) percent of the combined weight of resin and colorant in the toner.

13) (Previously Presented) The toner of **claim 12**, wherein the Additive Adhesion force Distribution percent values were obtained using four (4) 5/8 inch horns emitting at a frequency of 19.95 kHz from a distance of approximately 2 mm.

14) (Previously Presented) The toner of **claim 12**, wherein the Additive Adhesion Force Distribution percent value after 6kJ of energy is greater than 60 percent.

Application No. 10/024,195

15) (Currently Amended) An toner made by an improved process, comprising:

- (a) mixing a toner resin and a colorant;
- (b) extruding the resin and colorant mixture;
- (c) attriting the resin and colorant mixture;
- (d) classifying the attrited particles into ~~composites~~ particles averaging about 4 to about 10 micron in size; and
- (e) blending sufficient surface additive particles and the classified particles in a high intensity blender for at least 10 minutes such that the weight of surface additives that become attached is greater than three (3) percent of the weight of the classified particles.

16) (Previously Presented) The toner of **claim 15**, wherein the weight of attached surface additives is greater than four (4) percent of the weight of the classified particles.

17) (Previously Presented) The toner of **claim 15**, wherein the blending is intense enough to yield Additive Adhesion Force Distribution percent values after 12kJ of energy greater than 40 percent.

18) (Previously Presented) The toner of **claim 15**, wherein the blending is intense enough to yield Additive Adhesion Force Distribution percent values after 6kJ of energy greater than 60 percent.

Application No. 10/024,195

19) (Withdrawn) An improved process for making toners, comprising:

- (a) mixing a toner resin and a colorant;
- (b) extruding the resin and colorant mixture;
- (c) attriting the resin and colorant mixture;
- (d) classifying the attrited particles into particles averaging 4 to 10 micron in size; and

(e) blending sufficient surface additive particles averaging greater than 30 nanometers in size with the classified particles in a high intensity blender for at least 10 minutes such that the weight of surface additives that become attached is greater than three (3) percent of the weight of the classified particles.

20) (Withdrawn) The improved process of claim 19, wherein the blending is intense enough to yield AAFD percent values after 10 minutes of sonification and 12kJ of energy greater than 40 percent.

21) (Previously Presented) The toner of claim 1, wherein the average diameter size of the surface additive particles is greater than about 30 nanometers.